**Fermentation (Level 1) examiners tips: Read these please!**

**•** fermentation is the breakdown of sugar into alcohol and carbon dioxide

**•** conditions required are a warm, anaerobic environment (without oxygen, so in a closed container)

**•** yeast must be used as a catalyst (to speed up the reaction)

**•** methanol andethanol are one of the many ALCOHOLS

**•** general word equation for fermentation: glucose 🡪 alcohol + carbon dioxide + ENERGY

**•** producing methanol: C6H12O6 🡪 3CH3OH + 3CO2 + ENERGY

**•** producing ethanol: C6H12O6 🡪 2C2H5OH + 2CO2 + ENERGY

**•** uses of alcohols are as fuels and in alcoholic beverages/drinks

**Also…”don’t be daft”**

realise thatalcohol is a PRODUCT of fermentation  
RTQ2 (read the question twice)  
are you asked to write a word or symbol equation? producing methanol or ethanol?

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